

## MAIN INSTALLATION CHECKLIST

Unless otherwise noted, all code references are to 49CFR Part 192.

If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

<b>Operator: AMEREN ILLINOIS COMPANY</b>	Operator ID#: 32513
<b>Inspection Date(s): 9/1/2015, 9/2/2015, 9/3/2015</b>	Man Days: 3
<b>Inspection Unit: Pana</b>	
<b>Location of Audit: Pana</b>	
<b>Exit Meeting Contact: Kevin Glaspy</b>	
<b>Inspection Type: Design Testing and Construction</b>	
<b>Pipeline Safety Representative(s): Donald Hankins</b>	
<b>Company Representative to Receive Report: Michael Fuller</b>	
<b>Company Representative's Email Address: mfuller2@ameren.com</b>	

CONSTRUCTION INFORMATION		
<b>Location of Construction:</b> 825 East Poplar, Taylorville, Illinois.	<b>Construction Performed By:</b> Ameren Illinois Crew conducted the work.	
<b>Contractor Foreman:</b>	There were no contractors on this job.	
<b>Operator Inspector:</b>	Kevin Glaspy, Quality Assurance	
Person(s) On Job Site		
Clint Barlow	Clint Donaldson	Jenny Green
<b>Description of Construction:</b> Ameren Illinois had a class 3 leak on a service tap at 825 East Poplar Street, in Taylorville, Illinois. The 4 inch gas main had been installed into 6 inch cast iron pipe. The cast iron pipe was removed, and the 4 inch plastic gas main was squeezed off, and a new section of 4 inch plastic pipe was installed, and a new service line tap was installed. The leak was from an old service line tap on the old gas main, this tap had been installed by hand years ago.		

MAIN INSTALLATION		Status
[192.55]	Steel	<b>No</b>
<b><u>General Comment:</u></b> <i>No steel pipe was installed on this job.</i>		
[192.59]	PE	<b>Yes</b>
<b><u>General Comment:</u></b>		

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<i>2 foot of 4 inch plastic pipe was installed.</i>		
[192.59]	Other	<b>Yes</b>
<b><u>General Comment:</u></b> <i>The original plastic gas main had been installed into 6 inch cast iron pipe.</i>		
[192.5]	Class location :	<b>Class 3</b>
[192.619,192.621,192.623]	MAOP	<b>60#</b>
[192.63]	Pipe Size :	<b>4 Inch</b>
[192.55,192.59]	Specification :	<b>ASTM D-2513</b>
[192.55,192.59]	Manufacturer :	<b>Driscoplex Pipe</b>
[192.55,192.59]	Pipe Grade :	<b>PE 2406/2708</b>
[192.55,192.59]	Wall Thickness :	<b>0.391</b>
[192.63(a)(2)]	Are pipe, valves, and fittings properly marked for identification?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>All fittings and the pipe were properly marked for use.</i>		
[192.227]	Date of Welder qualification:	<b>No welder</b>
[192.227]	Welder's Name:	<b>No welder</b>
[192.225,192.275,192.277,192.279,192.283]	Is pipe joined in accordance with approved written procedures?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>The new section of gas main was installed according to O&amp;M procedures.</i>		
[192.285]	Date of Plastic Joining Qualification :	<b>2-9-15</b>
[192.285]	Joiner's name:	<b>Clint Barlow</b>
[192.455]	Is buried metallic pipe coated?	<b>Not Applicable</b>
<b><u>General Comment:</u></b> <i>No metallic pipe was installed on this job.</i>		
[192.461]	Does coating meet 192.461?	<b>Not Applicable</b>
<b><u>General Comment:</u></b> <i>No metallic pipe was installed on this job.</i>		
[192.455(a)(1)]	Is cathodic protection being provided?	<b>Not Applicable</b>
<b><u>General Comment:</u></b> <i>No cathodic protection this was an all plastic gas system.</i>		
[192.455(a)(1)]	Is cathodic protection being provided? By Anodes:	<b>Not Applicable</b>

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<b><u>General Comment:</u></b>		
<i>No cathodic protection this was an all plastic gas system.</i>		
[192.455(a)(1)]	Is cathodic protection being provided? By Rectifier:	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		
<i>No cathodic protection this was an all plastic gas system.</i>		
[192.461(c)]	Is coating inspected just prior to being installed in the ditch?	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		
<i>This was an all plastic gas system no coating was inspected.</i>		
[192.467]	Are pipelines electrically isolated from other underground metallic structures?	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		
<i>There were no other underground metallic structures in the area of work being performed.</i>		
[192.479]	Are above ground facilities cleaned and coated or jacketed as needed?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>The above ground service riser was anode less and was clean and coated.</i>		
[192.303]	Are comprehensive written construction specifications available and adhered to?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>Construction was performed according to the O&amp;M procedures.</i>		
[192.305]	Are inspections performed by the operator to check adherence to the construction specifications?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>Construction was performed according to the O&amp;M procedures.</i>		
[192.307]	Is material being visually inspected at the site of installation to ensure against damage that could impair its serviceability?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>The gas main and the new section of pipe that was installed was visually inspected during installation of the pipe.</i>		
[192.319]	Is ditch back-filled to provide firm support and prevent damage to pipe or coating?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>The pipe was back-filled to prevent damage to the pipe.</i>		
[192.321(c)]	Is plastic pipe installed as to minimize shear and tensile forces?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		

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<i>Plastic pipe was installed onto solid ground to prevent shear and tensile forces.</i>		
[192.321(e)]	Does plastic pipe have means of locating while underground?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>Tracer wire was reconnected to the tracer wire that had been with the old gas main, and service line.</i>		
[192.325]	Are required clearances from underground structures being maintained?	<b>Not Applicable</b>
<b><u>General Comment:</u></b> <i>No underground structures were in this area.</i>		
[192.327]	Is required cover being obtained appropriate to type of pipeline and location?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>The gas main was installed at a depth of 3 feet.</i>		
[192.503]	Are general testing requirements being met?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>The new section of 4 inch gas main was air tested to 95# for 20 minutes, with no leaks being found.</i>		
[192.517]	Are records being made of strength and leak tests?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>Strength and leak test records were being maintained by the crew leader.</i>		
[192.807]	Were covered employees Operator Qualification records reviewed to ensure qualification?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>Operator qualification records were inspected by staff before this job was performed.</i>		
[192.805(c)]	Were non-qualified personnel being directed and observed by a qualified individual?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>Non-qualified employees were being observed by qualified personnel.</i>		
[192.805(c)]	Were span of control limitations being followed?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>Span of control for this job was one on one.</i>		
Was a Protocol 9 (Form 15) Completed?		<b>No</b>
<b><u>General Comment:</u></b> <i>Staff did not complete a protocol form 15 during this audit.</i>		
[192.614]	Were One Call Notifications performed as required?	<b>Satisfactory</b>

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<b><u>General Comment:</u></b> <i>The Ameren Illinois had a Julie one call notification with them.</i>		
[192.614]	Dig Ticket #	<b>X002400495</b>
[192.751]	Are adequate steps taken to minimize the potential for accidental ignition?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>Ameren had the proper equipment at the job site to minimize accidental ignition.</i>		
[192.719(b)]	Was each repair made by welding to a transmission line made in accordance with 192.713, 192.715, and 192.717 and examined in accordance with 192.241?	<b>Not Applicable</b>
<b><u>General Comment:</u></b> <i>The pipe was not a transmission line, with no welding being performed.</i>		

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